

Title (en)
EXCHANGE OF SCHEDULING STRATEGIES FOR INTERFERENCE COORDINATION

Title (de)
AUSTAUSCH VON SHEDULING-STRATEGIEN FÜR DIE STÖRUNGSKOORDINATION

Title (fr)
ÉCHANGE DE STRATÉGIES DE PROGRAMME POUR COORDINATION D'INTERFÉRENCE

Publication
EP 2193677 A2 20100609 (EN)

Application
EP 08787425 A 20080822

Priority
• EP 2008061026 W 20080822
• US 95733107 P 20070822

Abstract (en)
[origin: WO2009024614A2] A cell informs surrounding cells about an orthogonal resource allocation strategy of the informing cell so as to induce cooperative behavior among the cells. The informing cell also receives resource allocation strategies from the surrounding cells. Each cell allocates its orthogonal resources according to the mutually exchanged information. The result is to reduce interference in the system. For example, a BS informs other cells on which clusters it generates a small interference, e.g., close UEs concentrated into a particular cluster, and indicate that to its neighbors. Other cells would concentrate UEs which are on the edge to the indicating cell exactly in this cluster. This would mean an "overload invitation", i.e. inviting the neighbors to produce overload on a particular cluster. If a cell sends an overload invitation on a sufficiently large cluster, this will automatically reduce the interference in the other clusters.

IPC 8 full level
H04W 16/10 (2009.01)

CPC (source: EP US)
H04W 16/10 (2013.01 - EP US); **H04W 72/27** (2023.01 - EP US); **H04W 72/541** (2023.01 - EP US)

Citation (search report)
See references of WO 2009024614A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009024614 A2 20090226; WO 2009024614 A3 20090514; CN 101836472 A 20100915; CN 101836472 B 20141126;
EP 2193677 A2 20100609; EP 2193677 B1 20201209; EP 3790302 A1 20210310; RU 2010110547 A 20110927; RU 2485718 C2 20130620;
US 2011110311 A1 20110512; US 8498253 B2 20130730; ZA 201001182 B 20101027

DOCDB simple family (application)
EP 2008061026 W 20080822; CN 200880112565 A 20080822; EP 08787425 A 20080822; EP 20203776 A 20080822;
RU 2010110547 A 20080822; US 67421508 A 20080822; ZA 201001182 A 20100218